

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [3418] "38 Special" Prototype at NorCal Meeting Sunday
Message-ID: <1.5.4.16.199611011111350.21fffed8@telis.org>

The "38 Special" prototype will be at the November meeting of the NorCal QRP Club at the California Burger Restaurant off the Santa Rita Exit of 580 west of Livermore. The "meeting" starts about 10:30, and ends when ever.

There are several other interesting things that will be at the meeting, including:

Vern Wright, W6MMA with a Suped Up St. Louis Vertical that tunes 160!!

Bill Jones, KD7S, with a Trail Friendly Radio design that will knock your socks off.

Wayne Burdick, N6KR Might have the SST prototype there, but NO promises.

Plus, I might have pictures of the Rainbow tuner if they get here on time.

See you Sunday, and hey, if it rains, show up early at the California Burger, we will have a meeting. 72,Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Mark.Milburn@cybrtech.com
Subject: [3378] "Special days"
Message-ID: <199611010635.BAA50896@nss2.CC.Lehigh.EDU>

Hi to all....I was surprised to get so many comments on our having "Trick or Treat Night" on some night other than Halloween. Shows how people get locked into certain ways of thinking of things.

Get ready for another shock...my wife and I voted yesterday! Yes, we have a program here where the election judges sit in the city libraries and if you are registered and have your registration card with you, you can go in and vote before the election...as soon as the ballots are printed up and certified.

No, I won't tell you how I voted, but you can be sure I will be looking for the fox tonight, and I hope to hear a lot of you doing the same.

72/73 Mark

KQOI @ W0AK.#CIA.IA.USA.NOAM e-mail mark.milburn@cybrtech.com
ARRL - DMRAA - QRP-L #625 - NORCAL #1829 - ARS #139 - NW QRP #418
QRP ARCI #9226

... nfx v2.6 [C0000] If you can't be the poet, you can be the poem

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
Subject: [3435] 185khz Beacon this weekend. (Delete if not interested!)
Message-ID: <v03007800ae9ffd06ba87@[132.235.72.11]>

Jay, John, QRPers, Glowbuggers and Topbanders,

This weekend I am running a beacon on 185 khz. QRP at ONE
screamin' watt to a short antenna. Please listen if you get a chance this
weekend! It'll be on during evening hours from sundown to sun-up EST.
November 1,2 and 3.

The beacon will be CW and send my grid square and home address.
1750 meters is a challenging band and I appreciate any and all comments. I
will report a summary of contacts to anyone who is interested!

vy 73/72 de

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*****
*                                     Greg Weinfurtner AEE BSS *
* NN      N  SSSSSSS 8888888 0000000 Electronic Design Splst *
* N N      N  S      8      8 0      0 Ohio University Athens *
* N N      N  SSSSSSS 8888888 0      0 GO BOBCATS! *
* N      N N      S 8      8 0      0 *
* N      NN  SSSSSSS 8888888 0000000 *
* *
*                                     Can thou send forth lightnings *
* Amateur Radio                      that they may go and say unto *
* DXCC WAS EM89 QRP-L #297          thee, 'Here we are'? Job 38:35 *
* weinfurtner@ouvaxa.cats.ohiou.edu *
* http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
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From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: WD6BOR@aol.com
Subject: [3448] 40-9ER KITS...WOOF!
Message-ID: <961101210624_1646428384@emout11.mail.aol.com>

To all who replied asking for one of the four or five 40-9er kits I had left... I wasn't quite prepared for the response. I will email the first people to respond with my address and let the rest know that I don't have any more. I will say for those who didn't get to build a 40-9er from one of the Norcal kits that you should plan to get one of Wayne's SST's as soon as they are available. The guy is an outstanding designer and I would (and have) bought and built most of the rigs he's designed.

Give me a day or so to sort out the requests, and thank you all for the response.

Darrel, WD6BOR

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Jeffrey M. Poulin" <jpoulin@erols.com>
Subject: [3384] 80M on a 40M dipole
Message-ID: <199611011053.FAA09632@smtp1.erols.com>

Dear Folks: After all your good advice on using my little 40M dipole for 80M, using a tuner, I finally got to try it. The Ten-Tec 291 tuner loaded it with no problem at all AND I can get a 1.1 or 1.2 to 1 SWR.

This may come under the heading of beginner's luck, but I'll accept it.

Just thought you might want to know.

73,

Jeff/KF4JSV QRP-L #743

P.S., Now to try the KnightLites roundtable. My sending speed should prove a good test of their patience, good will, and proximity to being canonized.

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: OJWA1YIA@aol.com

Subject: [3397] ARLB077 (Vanity Gate 2 Looong)
Message-ID: <961101101423_1713457438@emout07.mail.aol.com>

ARRL Bulletin 77 arlb077
>From ARRL Headquarters
Newington CT October 31,1996
To all radio amateurs

FCC computer update

Once again, the word from Gettysburg is 'next week'. Maybe it was early Halloween gremlins, but unexpected problems that have plagued the amateur computer system at the FCC's Gettysburg office all week have all but eliminated any chance that Gate 2 vanity call signs will be issued in time for this weekend's ARRL November Sweepstakes CW contest. Hams antsy to learn when they'll get one of their vanity requests have besieged the FCC with phone calls this week. A spokesman at Gettysburg said Thursday, however, that he doubts that the FCC will be ready to issue any vanity call signs until sometime next week. "I'm 90 per cent sure it's not going to make it this week," he said.

Some optimism flared when October 30 grants appeared in some call sign databases, leading to speculation that the vanity call signs might soon follow. However, the FCC has announced that any grants dated after October 24, 1996, are invalid because many of them were erroneous.

The unspecified computer problems are not related to the vanity call sign program. FCC personnel in Gettysburg already have entered data from the more than 4500 first-day Gate 2 applications, and are poised to start granting licenses once the computer problems are resolved, the spokesman said. The FCC anticipates that event could happen "by the end of next week". It's not known how long it will take to process all of the first-day applications, since this will be the first time the FCC has run the program using "live" data. Before processing, however, the FCC wants to "be sure everything is going to work well," the spokesman said. In the meantime, hams are asked to be patient and to refrain from calling the FCC to inquire about the status of their vanity call sign applications.

NNN

cul==wa1yia-OJ-QRP-L 732

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: stevebar@ix.netcom.com (Stephen A. Baranowski)
Subject: [3408] ARRL servers?
Message-ID: <199611011643.IAA04497@dfw-ix6.ix.netcom.com>

Happy November, folks - - -

What is the address / procedure for getting info from ARRL server, such as the kits list.

Thanks in advance,

72 de Steve / AA1BK

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [3412] Cycle 23 Here Already?
Message-ID: <Pine.A41.3.95b.961101090735.144982A-100000@homer34.u.washington.edu>

I heard a JA this morning (1200UTC) in the extra class segment of 40 meters. He was talking CW to K0FX. The JA was transmitting using only 300 miliwatts! Outside of some QSB, he was 559 here in Tacoma, Washington. I've got the JA's call written down at home. We ought to confirm the QSO with K0FX then send that JA one of those thousand mile per watt certificates.

Baffled....quite literally,
Stephen Lee, AB7HI
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [3417] Digest, help
Message-ID: <199611011811.SAA14902@mail.enterprise.net>

Can someone explain how the digest works? I assume it enables you to aquire a list of the current messages, without the body, from which you can extract those you would like to read - most of thr qrp-l ones are of no interest to us in UK. Please put me in the right direction, where to get the info. I have tried 'help digest' at listserv with no success.

Thanks

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Gary Evans <gevans@lsbsdi2.lightspeed.net>
Subject: [3441] Digital Signal Processors
Message-ID: <327A8063.414@bak2.lightspeed.net>

I am trying to talk Santa Claus into bringing me a DSP unit for Christmas. I know there are several makes and models available and would appreciate any suggestions from those of you using these units on what make and model you would buy. Thanks...

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [3391] FOS???What FOX
Message-ID: <9611011332.AA08707@aud.alcatel.com>

Man, I have not heard a FOX in weeks. Last night I heard 1,000 watt W1AW at S0.5... and never heard anyone calling the FOX...

I would like to work a N/T Fox and I have listened each night but I have never heard one!!!

Maybe basketweaving would be good for this winter?

Don't forget NORTEX meeting.

72/73, Dennis K3ETS

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: jdenison@aisp.net (JOEL DENISON)
Subject: [3399] FOX
Message-ID: <19961101153723830.AAA158@slip31.ts-f-merrill.caps.maine.edu>

It has come to my attention that some of you are seeing foxes (so you say) and I thought I might offer my counseling services. The idea of seeing foxes comes from long exposure to qrn and some qrm but mostly qrn and it sends a subliminal message to the brain that gets interpreted as "fox".

Those of us "who know" know this fox hunt is a hoax. Just a mis-guided effort at getting qrp operation on 40 meters to increase somewhat. If there had truly been a fox on last nite, surely I would have heard it along with the multitude calling him.

When it comes to this "fox hunt" I feel the silence of the monastery

and the aloneness that goes with it. (actually been there, done that) Fox,
the elusive drive for perfection. Perhaps if I spent more time in
meditation the abbot might buy me a fox! It wears on the soul to chase
ghosts, nite after nite.

But I will listen one more time. I will ignore the qrn and the
wearyness of it all and concentrate on the word FOX. Perhaps if I moved to
another monastary in another staate???

Good fox hunting to all and to all a good day.

Bye now
God Bless
Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	Horiz. Loop up 30ft	Inverted V up 33ft.	
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS 5w	SSB & CW	

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: cooper@gmpvt.com (Tom Cooper)
Subject: [3407] FOX report - WA1GUV
Message-ID: <199611011642.LAA24278@web.gmpvt.com>

Fox report for 11/1/96 - WA1GUV

Thanks to everyone who showed up last night and congrats to
those who got through. I really appreciate the chance to see
how well my new QTH and antennas work.

Setup - T-T Paragon @5w, 120' wire installed as an inverted L
with 2 above ground 40' radials and fed part way up the vertical
leg. This FOX hunt was my first real test to see if it worked
as well as EZNEC said it should. If my signal seemed better or
worse than you thought it should have been, please let me know.

There was some QRM. An HR1 and a XE3 both were loud calling CQ,
and an AMTOR guy opened up right on top of me once. I QSYd a few
times.

I hope that there weren't many who I didn't hear. I'll be in the SS
this weekend and you are invited to try again!

Here is my log:

UTC	CALL	RST	RECEIVED
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0201	W5TFB	549	579 JACK TX 288
0203	W8CDU	559	559 BILL MI 412
0204	N9DD	549	559 TOM IN 32
0206	W8DN	549	429 MIKE OH 575
0207	KK8MC/5	559	559 JIM NM 411
0209	AA2WJ	339	NO COPY
0211	K5ZTY	569	449 BILL TX 473
0213	AE4IC	549	449 BOB NC 54
0216	NI0A	449	449 JOHN MN 683
0218	K4CGY	549	JIM
0220	W1HUE	439	NO COPY
0223	K4CGY	549	559 JIM FL 2W
0229	W1HUE	339	229 LARRY ID 228
0234	KB9IUA	329	429 KEVIN IL 384
0237	N5ET	559	559 BOB TX 122
0244	N9RYI	559	539 BRIAN IN 5
0249	KA5T	549	449 LARRY TX 89
0258	WA9PWP	439	459 PAUL WI 127
0314	WA5VQK	559	449 TIM TX 586
0315	KE4YH	439	559 STEW FL 590
0321	KK7BD	229	229 DAN AZ 2W
0327	WJ4P	549	229 RANDY SC 296
0345	K5FO	549	559 CHUCK TX 1
0349	AA2WJ	439	339 DICK TX 5W

21 completed QSOs

Extra effort kudos to AA2WJ!

72/73,

Tom WA1GUV
cooper@gmpvt.com

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [3420] FOX report, sort of
Message-ID: <M1127839.005.7e435.1.961101180240Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Now that you're all settled down around the fireplace with a warm drink in hand, let me tell you about the time I hunted the ghost fox from the Green Mountains of Vermont.

It was on Halloween Eve, back in '96, a cold, still night it was. My trusty old fox hound, Kenwood, and I went out that night to see if the ghost fox would come our way. I had my fox gun loaded with 5-watt shot, and old Kenwood was in good voice, just hoping to get a whiff of this ghostly fox.

We were out in the back fields where it was very still, and, unusual for a Halloween Eve, the QRN sprites were keeping quiet. Wonder if it had anything to do with those sunspot things we hear about. Anyway, I thought sure if the fox came around we would hear him this night.

>From time to time, when the wind would blow from the east, faint in the distance we could hear the horns of other hunters, blowing their calls to entice the fox closer. From this, we knew he was out there, SOMEWHERE. A good fox hound will only call when he actually hears the fox, so we were pretty sure the critter was down off the mountains and prowling.

Then, from up north, I heard Larry, W1HUE/7, fire his fox gun. I could even hear his dog barking as he exchanged compliments with the fox. Couldn't hear the fox, though. Must be the way the wind was blowing at the time. I wonder if that was the only detour the fox made through our end of the world.

Never heard any of my nearer neighbors salute the fox, so I guess he pretty much stayed close to his native Green Mountains. Through the rest of the evening, sometimes when the wind would change, we could hear faint cries of other hounds calling the fox. But of the ghost fox of the Green Mountains himself, not a trace.

Finally, cold, tired and frustrated, old Kenwood and I headed back to the cabin. While he dozed in front of the fire, I helped the XYL buy off the howling mobs of witches, frogs and spacemen assaulting our cabin door, howling "Trick or Treat" in the night.

Anyway, that's how it happened the time I went hunting the ghost fox of the Green Mountains. Ghost Fox 1, me nothin.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3436] FOX Results Nov 1
Message-ID: <199611012029.UAA02662@chuck.dallas.sgi.com>

Gang,

Here are the standings as of today +/- any errors that may or may not be corrected anytime soon. :-)

It looks like the boys from TX came out and exceeded the expectations of the crowd. It looks like the gang in TX takes this fox hunting game seriously. Very seriously. Reputations are at stake here. But NQ7X quietly slipped in and ran off some of the leaders from the leader board. The quiet ones are always the most dangerous. :-)

Now the crowd can't jump on TX for bringing in some big guns. We can see that CA also brought in some individuals that had not been heard from this season, so noone jump up in the crowd and yell unfair. It can go either way now that the score is tied.

Everyone stand up and give a standing ovation to the foxii. They show up and they take names and do a lot of work. Where else in the world except for a rare expedition do you find this many individuals night after night and week after week sit for two hour sessions trying to work some critter with such low power? Such dedication and such patience can be found nowhere else in the world. And the pileups have been awesome at times when propagation is real good.

And thanks to everyone that heard the KL7's and told me. I was sitting there hearing the DX and thinking that I should run down and hunt around, but hey the KL7's will be there other nights. My one count might have swayed the score one way or the other. :-)

Foxhunt Current Standings Week #5 November 1, 1996

The Big Game!!!! CA-5 TX-5 November 1, 1996

Fox Scores

CALL	CONTACTS	STATE
AB50U	37	NM
AE9K	23	WI
K2NF	59	FL
W03B	29	MD
NQ7K	37	AZ
N9DD	40	IN

KF2PH	12	NY
WA5VQK	50	TX
WB8RUQ	47	MI
WA1GUV	21	VT

Novice and Tech+ Scores

KB0ROL	12	CO
WD4MSM	5+ 5	IN
KB9LGJ	11	AZ
WA7SSA	7+ 5	ID

Note: X.5 means X regular foxes and .5 means one Novice(5 pts) so that score is X+5. Only one Novice per non-Novice stn. So when you see 3.5 that means 3 regular and 1 novice for total of 4 contacts, but 8 points total. Only one Novice allowed for the season for stations other than Novice/T+. More details when Novice/Tech schedule finalized.

Hunters Scores

Leader: NQ7X(8.5) Floyd in Sun City West, AZ DOB 9/25/18

Wow Floyd, whupping up on the young whipper snappers.

W0CH/m(3.5) AA0XI(6.5) W00Q(5) WB0CLD(2) AB0CD(3) KI0G(1.5) AA0XZ
 KQ0I WA0FGV NI0A(2) K0EVZ WA0RPI(2) KD0SU KB0VCC AA70A
 N0TFI
 K1MG(6.5) AK1P(3) WA1QVM(3.5) W1HUE(5.5) N1RXT KA1AXY N1QQV KC1GS
 W1UI(0.5) AA1MY(0.5) WA1YIA
 AA2WJ(5) AA2PF(4) N2G0(2) WZ2T N2VPK(3.5) K2VNM(2) N2YRJ N2TNN K2NF
 K3ETS N3SLR N3KFL W3PNL KA3WMJ(1.5) W03B
 AE4IC(5.5) WB4ZKA(2) KE4YH(7) W4STX KS4L KE4KDT(1.5) AD4ZE(2) WJ4P(2)
 K4CGY KK4KF
 N5ET(7) AB50U(2.5) KC5RAS(3) KK5R0(6.5) W5TFB(7) AB5UA(5.5) K5UP(4) WA5VQK(7)
 K5ZTY(4) KK5MC/5 WA5WHN AC5II(3) N5JKY(2) K5F0(4) WB5QMP(2) WB5QYT(4)
 W5VBO(1) KK5GJ N5OCD(2) W5HNS(2) WA5CVM AC5CI KA5DVS NA5N KA5T(2) WD5GKH
 K5ON KB5YVT
 KK6MC(7.5) N6WG(5.5) KQ6AG(4) W6BAB(6.5) AB6DG(3) KI6DS(3) WA6NAE(4.5) W6ABX
 K06KA(3.5) KI6SN KD6ZMJ(1.5) WA6MOK(0.5) K6VNX(4) N6XI
 WA6HHQ(5) AA6R(2.5) WA6OWR W6EMT N6GA AC6KW WA6GER WA6RAE
 W6EMD WB6LMA(0.5) KI6OY(0.5) N6ULU(6.5)
 KK7BD(7) AB7ST(3.5) KC7NEV(6.5) NQ7K(4) NQ7X(8.5) KU7Y(6.5)
 KI7MN(3) AA7QY(3) AA7WT(5.5) WW7Y(2) N7MFB WB7DUO KG7PV W7JDZ(2.5)
 AB7HI(2) KJ7NS AB70A W7SNV AB7ST N7CQR AB7MY N7MFB KJ7LB(0.5)

W8DN(6.5) WA8CDU(5.5) WB8ZJL WD8LDY
AE9K(3) W9UQB N9DD(5.5) KB9IUA(5) K9DZE(3) NN9K(4) W9ZSJ NY9B WA9PWP
N9RYI WA9YLB

VE7CQK(2) VE3JC(2) VE3SP(4) VE7SL(3)

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=3 STATES(w/c)=3/2 DX=0 : MO TN OK

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: N9DD@aol.com
Subject: [3385] FOX: Hounds Tricked... and Treated
Message-ID: <961101073232_1646334928@emout08.mail.aol.com>

'fess us Tom. You were running 500 Watts, right?

Before last night's hunt began, I did my usual check of the band to determine conditions. The first thing I look for is a good variety of signal strengths across the band. I reason that the average Joe Ham is running 100 W. If there are alot of S9 and over signals, QRP will have no problem getting through. It figures that if alot of those loud signals are S9 or over, then the QRP signals (which are less than 10 db down), will be easily heard. Last night there were few signals on. The loudest were S9 - just above the noise.

I checked WWV on 10 MHz. On a good night it is about 20 db over S9 on my S meter. It was buried in the noise - barely audible. Next I looked for W1AW - out in the Fox's neck of the woods. I could tell it was there, but it too was down in the noise.

"Poor Tom" I thought. I thought I had a lousy night of conditions for my turn at fox. WA1GUV was getting an absolutely horrible night.

Then I tuned around 7.038 --- A 1 G U V I heard most of the fox's call. Some joker is calling the fox without hearing him I thought. But no - this was obviously WA1GUV! He stood by for calls. Someone else got him (A Texan!) I tried again and Success! What a treat! I don't know how you did it Tom. Great Job!

73,

Tom N9DD
South Bend, IN

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [3405] FOX: OK, who hid the fox?
Message-ID: <199611011634.KAA00077@multi2.pic.net>

These Texans are getting mighty sneaky. Which one of you hid the fox?

All this talk about SS was just to cover your tracks while Chuck put up his 100 foot towers. Now I realize what's going on.

That's OK. I just read a Comm. Quar. article about loooong wire yagi beams. Now, we got two mountain ranges out here in CA. Let's see, a quaternary 100 miles long ought to support how many elements... 356 carry the 11,... multiply by 2 pi, ...divide by year first licensed.....hmmm.

I sat down at the rig and started tuning. Knowing that New England was going to be a tough one, I already had the ESP filter warmed up. Earlier, I scraped off some of the corrosion from the feedline on my G5RV inverted Vee.

Heard a couple of hounds. The best signal was Larry W1HUE. But the fox.. well.....

The call correlator on the ESP filter (set to GUV) flashed briefly once. I don't know if this was real or not, because I had the Wishful Thinking Processor gain (W-TP) turned all the way up. I normally don't use it this way, but this is the only setting which works when the DX-peditioners are loading the last box onto the boat, and you desperately want to hear your call come back. So, I'm not sure I can count this as a piece of fur.

To multiply the frustration, (and this is why I know there was a Texas conspiracy... something about a logbook depository....) while I was listening for the fox (and those Texans working false QS0s while they had the poor little creature hidden in the basement) I copied the following:

Alaska (Chuck, you sure missed out on a lot of Alaskans while you were torturing the furry guy -- 599 QRP, too! -- fast ones, slow ones -- cold ones -- ones with extra QSL cards)

Canada

Cuba (lots and lots and lots of Cubans, even some RST xx9 stations!)

Honduras

Mexico

Guyana

Columbia

Finland

Southeast US (lots and lots and lots of 4s)

To think I passed these up, hoping to catch a little New England animal. (No Doctor, I'm OK. Just let me finish. I can QSY anytime, I can DON'T TOUCH THAT DIAL do it, believe me)

It's a sad story, folks. Don't let this happen to you.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Patrick Taber <ptaber@logicraft.com>
Subject: [3389] FOX: Ptui
Message-ID: <1.5.4.32.199611011130725.00961500@freebird>

OK, I know that there's going to be at least one post from someone who happened to flip on his/her radio and heard the fox dead center in the passband and worked 'em first call. Then there'll be another about someone who got the fox in the last nanosecond before the time was up.

Well, I ain't one of those.

I have sore ears. I have a yellow legal pad full of people who worked the Fox (if you missed any exchange info, Tom, drop me a line and I can give you a fill.) Not so much as one blessed beep from the Fox.

I've had it. I'm selling the radios. I'm buying a ranch out in one of those states where the only sport they engage in is trading small arms fire with federal agents. I'm going to raise foxes and turn 'em into coats.

Bah,
>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: launerb@crl.com (William H. Launer)
Subject: [3439] Fox: shields up?
Message-ID: <v01530504aea02ee20a5e@[192.0.2.1]>

After catching two of the furry critters, it seems as if someone has activated the "Fox Shield" around/over Missouri - never get a glimpse of the furry tail, or the hunters (for the most part).

Are we having fun, or what?

72/73 Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-1 #279 qrp arc1 #3551
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Seabury Lyon, AA1MY" <SSLYON@postoffice.worldnet.att.net>
Subject: [3429] FOXTH MYTH
Message-ID: <19961101175249.AAA16774@LOCALNAME>

I'm inclined to agree with the "de-bunkers" on the Thurs. hunt... I went out and carefully rubbed the last of my precious "MK V Gain Oil" on every inch of my 1350' loop... yet heard, saw, nor spoke not of His Foxness. Oh sure... I heard the XE's, F3's, and ZOU, WNY, BUJ, WQ, VIJ, GHQ, LNM, CZ, IL, ZLU, ... but nary a yip of Fox.

But then, let's look at propagation. Of course! the skip went right over ME, and at <5 wts, forget groundwave. So that's a factor we should crank into the equation... "REMEMBER THE SKIP RADII!" For those of us in a null on a given nite, we can devote our energies to working the do-able QRP-ers.

There is another factor -in my case... COLD! shack is in unheated garage. Hypo-thermia does nothing for cw, believe me. (Do I qualify for FYBO?) =S=

Seabury "Seab" Lyon AA1MY
44 Codfish Hill Road
Bethel, CT, 06801, USA

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [3442] FT-243 crystals
Message-ID: <199611020008.SAA06166@multi2.pic.net>

Well, I got more than twice as many requests as I had crystals. I have e-mailed everyone who put their name in. It was difficult to tell folks that they came up empty handed in the drawing. I sure wish that I had more crystals to give away.

I am looking forward to the photos and QSOs with vintage radios.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: herr@ridgecrest.ca.us (Michael Herr)
Subject: [3411] Hats off to NorCal
Message-ID: <v01530500ae9ff1c528de@[199.120.150.59]>

>My hat is off to Jim Cates, Doug Hendricks and Wayne Burdick on behalf
>of all of us who have had the great fun of building and tinkering with
>the 40-9er!

>

>Ralph AA6UL/4
I'll second that!
Mike WA6ARA

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: 01-Nov-1996 0709 <randolph@asic.ENET.dec.com>
Subject: [3387] HB: Super VXO drift tests
Message-ID: <9611011244.AA00830@us4rmc.pko.dec.com>

QRPers,

I sat down with the super VXO last night (we only got 2 trick-or-treaters) and made some cold-start drift measurements. These were made on the 22uH, two crystal circuit reported in my last post, the 22uH inductor being an odd-looking squareish brown ceramic thing that I pulled out of an old RCA TV set. The circuit was left power-off and untouched on the bench for at least one full hour between all tests. The power supply and shortwave RX were both left on throughout the evening to minimize any warmup drift in those. Drift was judged by ear and by counting the beats against the synthesized RX's BF0.

With the air trimmer cap fully meshed, and the oscillator at 9971 KHz, there was about -60 Hz of drift over about 15 minutes. After this it settled down, and went into a slow up/down cycle of about 5 Hz for the next 15 minutes, where I stopped recording.

With the trimmer cap fully unmeshed, and the oscillator at 10013 KHz, there was about +5 Hz of drift over about 20 minutes. After this there was virtually no drift for the next 10 minutes, where I stopped recording.

There you go, folks. I'd say this is a damn good technique for getting a wide-range oscillator with low drift without a lot of fussing and fuming with N750 capacitors and the like. If this were an LC oscillator, I would have called it "excellent" for freedom from drift. It seems most of my drift is in the air trimmer cap! It may be that those TV inductors are something special, but they sure don't look like it. You could double (86 KHz range) or triple (129 KHz range) this oscillator and still only get 120-180 Hz of warmup drift, a "good" value for an LC oscillator.

Next I'm going to try to adapt this thing to varactor tuning. Later on I want to repeat this test with 3 or more crystals.

```
=====
Tom Randolph  N100Q  NE-QRP 419  QRP-L 87  ARRL      randolph@asic.enet.dec.com
=====
```

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [3403] MANUAL FOUND!!! and other ramblings...
Message-ID: <1.5.4.16.19961101102652.0d674c02@destin.nfds.net>

Thanks to all who responded for my manual request on the Heathkit IM-2400.

I found one and it's on the way.

BTW, Heathkit's manual copy service has them all, but the prices are kinda steep. This manual is about 65 pages and their cost is \$35.00 + \$4.95 Shipping + sales tax if applicable. Almost seems like you could steal a copy, go to jail and come out cheaper (just kidding folks).

BOY...this was the perfect week to QRP. 4 foxes, ss this weekend, just all round fun time. Unfortunately, I'm working mids and switching to swings on Friday. That means home at 7 on Friday morn and back to work Friday afternoon at 2. Sat and Sun in at 2, off at midnight.

Anybody ever loaded their car for 40/80. Yeah, that's what I need to do. Tell the boss (our sheriff, I'm a deputy) that the new radio is an expensive cb... Yeah..I can talk to truckers better with it...No boss, not a lot of power, won't mess with the onboard computers...California and Texas..NOooo boss I'd never talk to them....That beeping...Oh, it's okay, their just talking to each other... (later on patrol) Hi Joe, how's the weather in

utah..what's that dispatch, a robbery...not now, I'm working utah and need the state for WAS QRP...huh...yeah...I'm out to lunch...send someone else...what???..no that wire isn't connected to the old Am radio station antenna...it's...it's... a ground wire in case a lightening storm comes up...I don't wanna get struck by lightning, do you???

Oh well.....

72/73

Good Luck to all this weekend.....

--

Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL

Snail Mail P. O. Box 178

Shalimar, FL 32579-0178

Grid EM60rk

e-mail <bmyers@destin.nfds.net>

homepage <http://destin.nfds.net/~bmyers/>

CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE

<http://n9nvv.qrp.com/~fists>

^^^^ That's N 9 N V V

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: svecbrdk@well.com (L.Svec,W.Burdick)

Subject: [3410] moth --> butterfly; 40-9er --> SST

Message-ID: <199611011653.IAA18153@mh1.well.com>

As Jim Cates noted, the 40-9er is no more. When I sketched out the schematic for the little critter, I couldn't have imagined that nearly a thousand of them would find their way into the world. And I certainly would have been apprehensive if I could have foreseen how much happiness and trouble it would cause :) But it accomplished its primary mission: to use up Doug's 7.040MHz crystals, which he practically stole from an unsuspecting flea-market vendor.

Those lamenting the loss of the 40-9er should take heart, because all of the rig's flaws are corrected in the SST (simple superhet transceiver):

	40-9er	SST
	-----	-----
bands	40m	80m, 40m, 30m...?
Freq. range	5kHz, VX0	20kHz or more, VFO
receiver	direct conversion	superhet
AM overload	problem	not

audio output	low	plenty!
sidetone	none	sinewave
XMIT power out	.25W @9V	.5W @9V, 2W @ 14V (est.)
T-R switching	loud clicks	much cleaner
TX offset	none	user-settable
box	Altoids	custom .050 aluminum
manual	3 pgs?	>10 pages, tutorial

It takes a **few** more parts to make all of these improvements: 80 for the SST vs. 45 for the 40-9er. (Note that a NorCal 40A has 130 parts, and most other single-band rigs have from 150 to 250!) But the SST is still very small at about 3 x 3.5 x 1.3 inches, and will be simple to align.

I had thought the SST would make it into the next issue of QRPp, but I missed the deadline. Not a problem for QRP-L folks, though--you'll still find out first when the kit is ready. Current estimate is early January.

73,
Wayne

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Al Moyle <moyle@essc.psu.edu>
Subject: [3413] MV2104 Varactor Diodes
Message-ID: <2.2.32.19961101172121.002f50d0@pop3server.essc.psu.edu>

Do any of you kind folks have any MV2104's to spare? Would be glad to pay for them ... or perhaps trade some J309 FETs? 2 FETs for each MV2104? I know that Newark has the diodes for \$0.93 each (that's where the 2:1 FET to diode ratio came from) ... I'm just trying to avoid having to do ANOTHER \$25 minimum order. :-)

73,
Al N3KFL

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: dannyayers@juno.com (Danny K Ayers)
Subject: [3400] NE40-40 Questions
Message-ID: <19961101.092257.12287.2.dannyayers@juno.com>

Hello All,

My NE40-40 is nearly complete (except for the housing) and all has gone very well. Thanks again for all the advice received so far.

Receive seems very sensitive, although a completely different characteristic than my Yaesu FT-840. Much narrower filter, I guess, gives it a smoother sound. I measure the -6dB bandwidth to be about 450 Hz. Audio is not ear-splitting loud, but I plan to experiment with different earphones.

My question is on transmit. Is a heat sink required on the PA, Q6 - 2N3553? I adjusted the power out to ~1.5W into a dummy load. My wattmeter doesn't seem very sensitive at 1W so I used a 'scope and set the voltage out to $24V_{\text{peak-peak}} = 12V_{\text{peak}} = 8.5V_{\text{rms}} = 1.44W_{\text{rms}}$ into 50 ohms, if my math serves me correctly. At this level, the PA gets very warm to the touch after a SLOW 2x2 CQ. Q6 output is not quite sinusoidal, somewhat triangular. Filter output is clean sin wave. Is this normal?

Power supply current is about 25mA on receive and 320mA on transmit at the power level above.

I found the tuning to be pretty sensitive with a 1-turn 100K pot. I didn't have a 10-turn so I put a 10K pot in series with the high side of the 100K. I use the second pot for a fine tune and this seems to work well. Anyone else tried this approach?

Free advice for anyone planning to built a first kit: Buy the kit! Don't buy a board and scrounge the parts... very frustrating, time consuming, and more expensive in the long run.

72/73's and Tnx to a great group...

Danny - AD4YO

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: JessQRP@aol.com
Subject: [3445] Nicad packs available
Message-ID: <961101204547_1080626647@emout01.mail.aol.com>

Hi all,

I ahve a limited number of Nicad packs that are available. They are about 4-5 in long and 3/4 in in diameter. They put out about 13.5 on a full charge. I have not idea what the mh rating is but appear to be about 3/4-1 mah. These

babies are just the right size to build into a rig for portable use. You could squeeze about 3 of them into the right size rig box.

I would like to make them available to the list for the cost of shipping plus a buck or 2 for me. How does \$10.00 each sound and I will ship Fed Ex P 2.

These are brand new and never been charged. I rescued them from the scrapper at work. Any takers? Is the price fair?

Best
Jess NOTFI

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [3416] NorCal Dayton Building Contest Winners Announced
Message-ID: <1.5.4.16.19961101105925.0cafae6e@telis.org>

The deadline is here, and the time has come to announce the winners in the NorCal sponsored Dayton Building Contest. A drum roll please.....

We have two winners this year, and it was impossible for the judges to separate them, so both have been declared winners and will receive plaques at the Dayton Awards Banquet sponsored by the QRP ARCI. Both of these projects will be published in QRP Quarterly (January issue) and QRPP (December issue) and will both hit your mailbox at about the same time. Also, both projects will be kitted and made available soon. The price of each kit is \$25 plus \$3 mailing and handling charges for US addresses, \$5 for addresses outside the US. When you order, US Funds ONLY. Don't order now, as the kits are not ready. There will be a posting on the net when it is time to order.

The first project is by Joe Everhart, N2CX

Mint Tin Rainbow SWR Bridge and Tuner

The circuit described in the article really doesn't tune rainbows, but it does use a rainbow of sorts. It embodies the Spartan design philosophy exemplified by the 40-9er Transceiver. It combines a very basic antenna tuner with a simple-to-use accurate SWR meter. Intended to fit in the same type tin as the 40-9er, it can be built for \$25.00. As will be described below, the heart of the Rainbow Tuner is a user-friendly SWR indicator that can be used by itself in other homebrew projects.

The antenna tuning function is performed by an inductor and capacitor. In the configuration used, they are connected as a parallel tuned resonant circuit with a tapped output. It is intended for use with a half wave end fed wire. The high impedance presented by the half wave

wire is transformed to 50 ohms by taps on the toroidal coil. A compression mica trimmer is used to tune out any reactance presented by the antenna and inductor taps are selectable to give a close match to 50 ohm feedline. More detail will be given later about antenna length selection and tuneup.

A novel SWR bridge was written up in the June 1995 QST by K1KP. It used the familiar toroid type SWR bridge and replaced a meter with LEDs. It had no means of displaying actual SWR, merely a relative indication via brilliance of the its LEDs.

The Rainbow SWR indicator uses a bridge circuit more suited to QRP operation and a self-adjusting LED indicator that is slightly more complex than K1KP's but provides both relative indications for tuning and an exact final SWR reading.

The other winner in our Design Contest is the "38 Special", a 30 Meter Superhet Transceiver designed by Ori Mizrahi-Shalom, AC6AN.

The "38 Special" is a unique approach to a simple radio. This goes a level beyond the famed "49er" from last years contest. This radio has the following features:

- *Superhet Receiver with only 2 NE602's
- *No Transistors
- *Sidetone
- *Offset
- *400 mW output power (very simple mod to take it to 4 or 5 watts)
- *Unique tuning scheme that allows 25 kHz of coverage with a VXO
- *Runs off 8 Volt Regulator (12 volt supply or gel cell)
- *Cost \$25 for board, parts and manual
- *Extra space on board for hacking, in fact it was designed to be experimented with
- *Active devices are 2 NE602's, 7808, 74HC240, NE5532, CD4066

NorCal will be kitting the "38 Special" and will announce the availability of kits as soon as possible. Another QRP Club who we cannot announce at this time will be kitting the Rainbow Tuner. Details soon, I promise. Both kits are board only kits, and include pboard, and all parts on the boards. The builder is responsible for the case, connectors and controls.

The authors have agreed NOT to divulge any pre-publication information, so please do not contact them asking for a schematic or more information. It will appear in print as soon as QRP Quarterly and QRPP hit the streets. The information will appear on Web pages after publication, but NOT before.

Just think guys, now you can have 2 great projects to build this winter, one a 30 Meter Superhet Transceiver with offset and sidetone, and an Antenna tuner/SWR Bridge to match that antenna with. We are talking about a complete station for \$50. Wow, isn't this hobby great. Thanks to Joe and

Ori who may have won the contest, but I think the real winners are going to be the QRPers who build the projects.

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [3446] QRP contest
Message-ID: <21919@sugarland.ampr.org>

Attention all you hardcore QRP testers. Here's something to keep you busy between SS and Foxhunting for the coming week.

To : CONTES@WW
Type/Status : B\$
Date/Time : 24-Oct 12:35
Bid : 2842_HA50B
Message # : 60824
Title : HA-QRP Contes!
Path: !F6CNB!WB0TAX!HA3PG!HA50B!

From: HG5COK@HA50B.HUN.EURO
To : CONTES@WW

Open invitation!

CQ test HA-QRP...

The editorial of the magazine "Radiotechnika" on the commission of the "Hungarian Amateur Radio Society" organizes the HA-QRP Contest. The aim is to demonstrate that it is possible to make two-way contacts with low power equipment.

Regarding the interest of foreign stations, we make our contest international this year too, and amateurs all over the world are invited to take part in it. We hope that our contest will be welcomed by amateurs at home and abroad and that more and more amateurs will participate. Our editorial wishes good results to the participating stations.

DATE OF CONTEST:

The contest will take place from 1.November 00 UT to 7.
November 24.00 UT.

FREQUENCY:

3500-3600 kHz.

TYPE OF MISSION:

CW only.

CALL:

CQ TEST QRP

CONTACT:

The contest exchange shall consist of: both callsign, RST reports, both QTH and names of the operators. The time difference, fixed in the log, should not be more than 3 minutes between the two stations.

SCORING:

For every complete two-way contest QSO with own country 1 points, with EU and DX stations 2 points. Contacts with the same station can be taken into account during the contest once only.

EVALUATION:

The sum of the points must be multiplied by the number of the reached DXCC-districts.

TECHNICAL CONDITIONS:

The PA of the transmitter used in the contest should have less than 10 watts input power.

THE LOGS HAVE TO CONTAIN:

- the date and time of the contacts, reports,
- the callsign, the QTH, and the name of the operator of the station worked,
- the type of the active element of the PA.

A copy of the logs must be sent to the following address postmarked not later than 21. November. Address: Radio-technika szerkesztosege, Budapest, Pf.603, H-1374 Hungary.

AWARDS:

All contestants who send logs will receive a Special Participating Award as a memory of this contest, and the outstanding scorers will receive the magazine "Radiotechnika" free of charge for one year.

Editorial of Radiotechnika

(A hazai allomasoknak a magyar nyelvu kiiras ervenyes!)

[End of Message #60824 from HG5COK]

You guys with the gigantic loops pointed at EU ought t o kill 'em in this one.

Good luck and report back to the group.

72,

Bill, K5ZTY

ARCI #8817 NORCAL #1321 CQC #178 MI #1472 NE #440 QRP-L #473

WITHOUT CW, IT'S JUST CB

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: wager@juno.com (James W. Cates)

Subject: [3409] RP-120 Wattmeter Wanted

Message-ID: <19961101.083257.3886.5.wager@juno.com>

Naturally, prime condition preferred, but whatever condition, is acceptable, compatible with price. Tnx. jim, WA6GER

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>

Subject: [3393] SLV - How GOOD is it?

Message-ID: <2.2.32.19961101134456.0093b758@pcc-uky.campus.mci.net>

By now there should be many St. Louis Verticals built and in use but I haven't seen too many updates as to just how well they work. Is it routinely performing as well as (or has anybody compared it to) any of the popular commercial antennas such as the Gap Titan or R7...or is it not meant to really be a full horsepower vertical? Here I am essentially asking about it's efficiency, not it's obvious raison d'etre as a handy, portable and compact vertical.

No Fox last nite....just an XE chatting happily on 7.038, but did hear his call faintly one time.

Thanks es 72, KE4KDT Roy

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: WD6BOR@aol.com
Subject: [3444] SLV, dowels, spikes and Norcal meeting
Message-ID: <961101204215_1147731138@emout06.mail.aol.com>

After getting several requests for the extra 12x1.25" dowels I had left over, I went down to the local lumber yard and picked up some more dowels and spikes. I'll cut the dowels into 12" pieces and will have about a half dozen of them and 3/8" x 12" spikes at the meeting for anyone building a SLV and having trouble finding these materials locally.

See you there if the creek don't rise.

Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [3419] SS Challenge
Message-ID: <199611011815.NAA05555@mh004.infi.net>

Jack and Chuck,

Hope you won't embarrass Warren and I too much this week-end. I thought about asking you to spot us some points.

You see, I've never operated in this contest before. We don't have any towers or beams or directional antennas. My logging will have to be done by hand. my code speed tops out at less than 25WPM. I got a pneumonia shot yesterday, and my arm is sore -- an' I cut my thumb, -- an', -- (whine, snuffle, snuffle) (how'm I doin', Joel?)

So, please don't get more than four times as many points as we do.

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [3392] SS/VANITY CALLS/ETC...
Message-ID: <9610018468.AA846862708@smtpgw.ccgate.dl.nec.com>

Sorry, no QRP value here (delete)

Hi Folks:

Here's a question for you SS experts out there...

I was first licensed in 1975 and (dumb me) let the ticket expire in 1977 w/o upgrading. Re-uped in 1980 and have renewed ever since.

** Question: For SS exchange, do I give 75 or 80 for the check??

I'm a little frustrated at the vanity call situation. Am I the only one?? I know there's nothing we can do, but still come on!!!!

I wonder if we paid \$70.00 as first proposed, if that would have helped the computer situation ;-)

Sorry for the rambling - good luck for those brave souls venturing into SS territory. "Let's see what's out there"

73 de Dave AC5GY (a few days (weeks) longer!)

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: jdenison@aisp.net (JOEL DENISON)
Subject: [3406] triangular loops
Message-ID: <19961101163753639.AAA155@slip20.ts-f-merrill.caps.maine.edu>

Just a note here from a pratical user (not engineer)
I put two ropes across my back yard (4 trees)
I spaced the ropes about 25 feet apart
I put up 4 loops (delta loops) for 20 mtrs

I spaced them so as to have a ref. driven, and 2 directors
The ant was pointed toward europe
I worked only one or two us hams the rest was dx
lots of dx at 5 watts
The ropes were only 34 ft high so the overall ant was low
but the gain (about 9+ db) put me in contention
Loops: round, square, or delta seem to work fine

Bye now
God Bless
Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	Horiz. Loop up 30ft	Inverted V up 33ft.	
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS 5w	SSB & CW	

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: David J Adams <adamsclan@netgate.net>
Subject: [3447] Wall wart on power station?
Message-ID: <199611020206.SAA26511@ng.netgate.net>

Greetings! My collection of wall warts have become jumbled.

Can anyone tell me the correct wall wart power out for a

Power Station model 752? You know the power station, that
black batter pack with built in charger, that has the 12v
cig socket the 12v binding posts and alternate output for
3, 6 and 9 V. I'm sure someone must have one lying about that
they can go peek at the wart. I have no idea which one it is.

Thanks for any info.

73 de dave, n9uxu

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: wager@juno.com (James W. Cates)
Subject: [3422] Want Cheap 10M rig(s)
Message-ID: <19961101.095014.3886.24.wager@juno.com>

Saw the posting that ten meter rigs are cheap now, but only now. Wow!

Cheap is my name, and cornering the market my game! (har). Thus, I am standing by with the family fortune; so, WHATCHAGOT? jim, WA6GER. Oops! Where are my manners? Thank you for reading this. jim

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Paul Stroud <aa4xx@amsat.org>
Subject: [3376] We're Gonna' FYBO
Message-ID: <32798825.6924@amsat.org>

Hi Joe (KC7NEV),

On behalf of the Knightlites, please express our appreciation to the ScQRPions for putting together the Winter "FYBO" Field Day. One of our members (AA1BK Steve) is getting us Knights together to operate the event from Lake Jordan, west of Raleigh, NC.

It gets pretty cold in NC during February, so you may hear some shaky fists along the way. Let's hope we'll see good turnout from the Novices/Tech + operators for this one.

By the way, we worked each other during the Fall ARCI Contest on 40M. Thanks for pulling me through. Was running only 250 mW to a dipole on this end. You got good ears, dude!

72,

Paul AA4XX nr Raleigh, NC

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Dan Tayloe-P26412" <Dan_Tayloe-P26412@email.mot.com>
Subject: [3414] Woking DX on the Fox Freq
Message-ID: <M27752630.001.7bnd0.1.961101170912Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Tom's signal from VT was *really* marginal here the entire two hours. He was *just* above the noise most of the time here in Phoenix.

I *think* I bagged him at 330 UTC, but was not enirely sure as he faded back out after I responed to his report. I gave him "2W" instead of NR 696 because I assumed that it would be easier to copy.

Not being sure that the contact was confirmed, I stuck around on the frequency to see if he would get any better in the final 1/2 hour so I could try it again, just to be safe.

Low and behold, about 340 UTC some HI6? station come blasting in on frequency. Very strong. "Ignore him", I said to myself. "The fox is more important".

Then I heard Chuck, K5F0, give him a call. The HI6 station did not respond, but called CQ again. I think right then and there I and the rest of the QRP fox hunting hoard decided enough was enough and we all piled on the DX station. I didn't get him.

There needs to be a ruling on this. In my opinion, if rare a DX station calls again on the fox frequency, we ought to all tell him to get lost. After all, working the fox is much more important [:-)]!

- Dan Tayloe, KK7BD, Phoenix, AZ QRP1 # 696

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: KFGlynn@aol.com
Subject: [3401] WTB: CW Filter for Icom IC-728
Message-ID: <961101110925_1281789200@emout05.mail.aol.com>

Hi gang,

If anyone has a CW filter (250 or 500 Hz) filter for the Icom IC-728 rig for sale I'm interested.

Tnx

72 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: NZ8J <timcook@erinet.com>
Subject: [3394] WTB: T/T 282 Filter
Message-ID: <327A0946.3282@erinet.com>

Looking for a Ten Tec 282 250hz filter. Please email with info
Tim
NZ8J

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Gene Watterson <watter@scott.net>
Subject: [3443] Re: 10m HT
Message-ID: <Pine.LNX.3.91.961101183459.8234A-1000000@koala.scott.net>

Tom,

I enjoyed that cycle 22 10m anecdote. Your story reminds me of a boring(!) afternoon several years ago during which there seemed to be nothing but JA's to be heard on 10m. On a whim, I turned the wick down on a Century 21 to 1W es snagged one (obviously cw) on the second call! I credit the JA more for that QSO than the other guy! Come on cycle 23!

73/10m...Gene (KD4BPI)

On Thu, 31 Oct 1996, Thomas J. Whalen wrote:

> During the last cycle #22 my friend AA5B and myself borrowed a AEA 10m HT
> from a friend of his. We were out in my back yard and fired it up.I
> figured we were just wasting our time! We tuned around finding lots of
> stations, and finally settled on a JA????? that was calling CQ. We came
> back to his call, and sure enough we both nearly fainted, the JA came
> back to our flee ridden signal with a coat hanger(more or less) for an
> antenna! Hurry up cycle 23, I'm ready for it!! 72 Tom WB5QYT qrp-l 640
>

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: Luke Enriquez <ecsclfe@lux.latrobe.edu.au>

Subject: [3381] re : [3288] Article in QRPP Vol3 #3 Sept 95, pg. 32

Message-ID: <9611010736.AA24787@lux.latrobe.edu.au>

Howdy,

> So, I would contend that his article is based on a
> misunderstanding of the Zout equation. Can anyone confirm my conclusion
> or show me the error of my ways? Thanks.

The problem is $Z_{out} = V_{cc}^2 / (2 * P_{out})$ is purely an approximation. It is not the true Z_{out} . Z_{in} is dependent on many things. One is Collector Current. Another is Base Resistance (Yes the Base does have some of its own resistance). Another is Input Capacitance, which I don't like using that term because it is Base to Emitter Capacitance (Actually, Variable Capacitance Diodes Utilise this "parasitic capacitance".)

If we look at a Common Emitter amplifier stage :

Z_{in} depends on Base Resistance, Transconductance, R_e and Z_{pi} .

Z_{pi} depends on C_{pi} and R_{pi}

R_{pi} depends on G_m and B_o (actually its B_o / g_m)

C_{pi} is Base to Emitter Capacitance

Z_{out} depends on Z_{pi} , Source Resistance,
and Transconductance.

What does all this mean in relation to power levels?

If we change collector current to alter the power
gain (Remember Gain is proportional to $G_m \times R_L$)
we will effect the INPUT and OUTPUT impedances.

If we change the input power to alter the output
power, we will not change the INPUT and OUTPUT
impedances.

Well, at least thats what the equations are telling me.
You will probably have to find a book that deals with
the mathematics of high frequency transistor power
amplifier design. They do exist, and they are painful to
read (You really have to read and write at the same time
to keep a tab on all the equations).

Sometimes amateurs like to approximate things, especially
when it comes to mathematics. At least, that what my
lecturer told me.

References :

Analysis and Design of Analog Integrated Circuits
Paul Gray and Robert Meyer

Regards,

Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecsclfe@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [3425] Re: ARLB077 (Vanity Gate 2 Looong)
Message-ID: <Pine.SUN.3.90.961101072333.20567B-100000@vortex.sage.dri.edu>

On Fri, 1 Nov 1996 OJWA1YIA@aol.com wrote:

> FCC computer update
>
> Once again, the word from Gettysburg is 'next week'.

Sure glad I didn't send them any more of my money!

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: mahenry@juno.com (MICHAEL A. HENRY)
Subject: [3380] Re: Buy hose cheap 10M Rigs Now
Message-ID: <19961030.210020.8167.1.MAHENRY@juno.com>

Hi all, Brian could not be more correct! i have 2 of the dx handi's and have worked the planet with them hiking on down the trail (tripping over the 8' counterpoise wire) as well from my backyard. some of the best dx includes England, Aust. Japan, China, S. Africa and the list goes on. All with 2w PEP, a baseloaded 56" whip and a counterpoise wire. I have been amazed at the signal reports i have received! Have the 20m version of the ht and have had a ball with it with a dipole on the side of the trail! So dont pass up those cheap 10m rigs and dont forget sporadic E season! I have made MANY qrp contacts on 10M every May and June, every year no matter what the sun is doing.

Best regards, 72, 73, Mike, N5AQM Just plain qrp.

On Thu, 31 Oct 1996 21:35:32 -0800 Brian Kassel <bkassel@enet.net> writes:

>Howdy OT's and the Newer Folks:

>
> With all of the talk about how the upper HF bands will
>be performing when Cycle 23 begins to kick in, a related,
>but somewhat forgotten point comes to mind.
>
> Right now, 10M-only rigs like the Regency HR-2510,
>are cheap, I mean really, really cheap. This isn't
>because these type of radios are poor performers,
>it's simply because of supply and demand.
>they all can be brought down to QRP levels
>quite easily.
>
> Heck, I recently picked up a very nice AEA 10M HT with
>SSB and CW, several crystal pairs, (it uses a VX0)
>a nice carrying case, external mike, extra whip antenna,
>and 3 sets of Nicads for..
>wait, here it comes..50 bucks!
>
> This is a fun little radio, actually made in
>Japan for AEA by Mitzumo.
>
> The guy just couldn't get any more the rig,
>as he put it "10M is a dead band" Yea, right.
>
> Now when those bands start heating up again, I'll
>be ready.
>
> So any of you new-comers (this is Cycle 5 coming
>up for me ughhh!) might start listening to those
>swap nets, in between Fox chasing of course, for
>some of these 10M bargains. The WWW is another
>place to browse.
>
> Oh yes, and those 10M stories, there all true.
>In a few years you'll have a few of your own!
>
>--
> *****
> * Brian D. Kassel W5VBO - QRP NERD 10 - ScQRPion #17 *
> * QRP-L #404 - ARCI #3623 *
> *****
>
>

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [3382] RE: Buy hose cheap 10M Rigs Now (sic)
Message-ID: <961101094711Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

Over here we can't buy rigs for 10M only, unless they are private sales.

A few years ago the Government ruled that they couldn't be imported and there were reports of stocks of 10M only rigs being impounded!

It's also difficult to get permission to get old AM CB rigs to convert to 10M.

The reason? The Radio Communications Agency reckon that they would be reconverted to illegal CB frequencies!

A great source of cheap QRP rigs denied to the British Hams....

Ain't life grand.

De Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [3383] RE: Buy hose cheap 10M Rigs Now (sic)
Message-ID: <Pine.3.89.9611010659.C10750-0100000@w3eax.umd.edu>

You can always buy from us...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3395] Re: FOS???What FOX
Message-ID: <199611011453.HAA09137@dancris.com>

At 07:32 AM 11/1/96 CST, you wrote:

>Man, I have not heard a FOX in weeks. Last night

>I heard 1,000 watt W1AW at S0.5... and never heard

>anyone calling the FOX...

>

>I would like to work a N/T Fox and I have listened

>each night but I have never heard one!!!

>

>

Ever heard of the Urban Myth? :^(

73,

Bob, KI7MN QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, not in any order of importance.

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: talljazz@teleport.com (Dan Presley)

Subject: [3379] Re: FOX Monday Nov. 4!

Message-ID: <v01530505ae9ec062851b@[206.163.123.40]>

>Group,

>I will be having my first turn as fox this Monday evening.

>

>Fox station: KA5DVS

>Operator: James Bennett (Jim)

>Location: Hightstown, NJ

>When?

>Monday evening, November 4 (in the US)

>=9-11PM Eastern

>=8-10PM Central

>=7-9PM Mountain

>=6-8PM Pacific

>=0200-0400 UTC (Nov. 5)

>

>Exchange: RST/SPC/Name/QRP-l# or power

>

>Rig: Yaesu FT301S at 5W

>Antennas: Dipole at 40ft and quarter wave vertical.

>Frequencies: between 7.034 and 7.037

> (If QRM is too bad I may go below 7.034)

>

>Thanks and hope to hear you in the hunt

>James Bennett

>KA5DVS

>QRPL# 63

This should be fun as it's the same time as the Spartan sprint-lots of activity!

Dan N7CQR

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: cooper@gmpvt.com (Tom Cooper)
Subject: [3433] Re: FOX report - WA1GUV
Message-ID: <199611011917.0AA28330@web.gmpvt.com>

>To: "William C. Robbins" <billrobb@net-link.net>
>From: cooper@gmpvt.com (Tom Cooper)
>Subject: Re: FOX report - WA1GUV
>Cc:
>Bcc:
>X-Attachments:
>
>>Tom:
>>
>>Thanks for the qso. Please correct my call. I'm #2....WA8CDU. Please note
>>the prefix.
>>
>>73 de Bill
>>
>You're right! My typing is worse than my handwriting for accuracy.
>
>Sorry.
>
>Tom
>
>>
>

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3426] Re: Fox: Tell the Truth, Chuck!
Message-ID: <Pine.SUN.3.90.961030213648.16901E-100000@vortex.sage.dri.edu>

On Mon, 30 Sep 1996, Ken Freedman wrote:

> Come clean Chuck: Are you lettin' these Fox guys use antennas??

Well, worked 2 out of 3 foxs this week. And heard the fox tonight.
About 229.....called him twice but couldn't even get him to

admit that he heard me! :-(

Maybe you guys back there need to buy them some good yagis! :-)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Craig LaBarge <74740.3166@CompuServe.COM>
Subject: [3440] RE: Gel Cell Float Charge Voltage
Message-ID: <961101224926_74740.3166_EHB58-1@CompuServe.COM>

Gang:

Thanks to all who responded to refresh my memory on this stuff. To sum up, the consensus is that a 12V gel cell is fully charged when its terminal voltage reaches 14.4V. After that, you can "float" the battery at 13.8V indefinitely. This was also confirmed by the ARRL handbook.

Thanks again.

73, Craig WB3GCK

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [3430] RE:HB S/A scope adaptor
Message-ID: <19961101.122815.7231.0.KD1JV@juno.com>

Hi All,

Quite a few requests for more info, so easiest thing to do is post it here....

First, the adaptor can be used with just about any old scope, as long as it has an external trigger input. The scope sweep rate used is in the 5 to 10 ms/div range.

The start freq and freq sweep length are both adjustable.

Second, It doesn't have a great deal of selectivity, about 5-10 Khz, so it isn't good for looking at close in stuff, like the side band noise of a PLL, but it is fine for finding harmonics from transmitters, seeing if oscillators are working (and where) and the like.

Here's the basic line up....

A MAR-4 MMIC is used as a pre amp. That drives a SBL-1 mixer. A 100 to 200 Mhz POS-200 VCO is the LO sweep osc. (These are all off-the-shelf MCL parts) The first IF is 102 Mhz. An MC13136 FM Rx chip does the rest. The 1st IF is mixed down to 10.7 Mhz using a 92 Mhz TTL clock osc can. This is the hard to find part. I got a couple from a hamfest. A 10.240 Mhz xtal mixes the 10.7 second IF down to 455 Khz. The 10.7 Mhz filter, 10.240 Mhz xtal and 445 Khz filter can be gotten from an old cordless phone. The RSSI ouput derived from the signal at 455 Khz is the ouput level to the scope and is about 200 mv/20 dB. If you add the FM discriminator coil, you can also use it as an FM reciever.

The ramp is created by charging a cap with a transistor constant current source to produce a liner ramp. This is buffered, level shifted and inverted again to drive the VCO by an LM 324 op amp and develops the ramp reset and socpe trigger pulse. There is provision for stoping the sweep and manually tuning the VCO.

The board requires a +/- 20 volt supply. Voltages are then regulated to +/- 15 volts on board.

That's about all there is to it. A fairly basic, straight forward design, which I'm sure has been done more or less the same way by others.

If you would like just the information to build one, send me a green stamp to cover the return postage and cover the cost of going to the copy shop to have copies made. I'll send you the board artwork, schematic, parts list and some notes. I don't like to fold the board artwork, so I put it in an 9 1/2 x 11 envelope. I do all the documentaion on the computer with some good CAD programs.

If you definatley would like to buy one in kit form, drop me another message. I would need about 10 definates on this to justify it. I would realy hate to spend 100 bucks having some boards made if no one really wanted any! I'll take replies for a week or so and see what happens. Then I'll price it out and see exactly what it would cost and let you know.

Thanks for all the intrest.

Steve Weber, KD1JV
Box 140
Gorham, NH, 03581

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [3388] Re: HB: spectrum analyzer adaptor
Message-ID: <1.5.4.32.19961101125546.0094a0c8@freebird>

At 08:15 PM 10/31/96 PST, you wrote:

>Just finished building a neat little spectrum analyzer adaptor for my
>'scope. [...]
>It can
>be built for under 50 dollars and dosen't need too many hard to get
>parts.
>
>Anyone want more details? Should I think about putting it together as a
>kit?

Why do people do this? Why do they send out messages that say
"I found a way to build a drift-free VFO for a dime -- I don't want to take
up bandwidth on the list. If there's interest email me."

Or

"I have a unidirectional antenna that it a foot tall, covers 6-160 meters
without tuning and has 65 dB gain in all directions. Any interest?"

Spectrum analyzer for \$50? Nah, who'd want that?....

OF COURSE EVERYONE WANTS DETAILS!!! Geeeeeze.....

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: N0oct@aol.com
Subject: [3386] Re: HB: Super VXO again
Message-ID: <961101074459_1947507811@emout03.mail.aol.com>

In a message dated 96-10-31 08:01:32 EST, you write:

<< Drift: The 22uH circuit had noticable drift compared to the BFO on my
general-coverage shortwave RX. Very slow and long, not at all bad compared
to
some LC VFOs I've built. I'll guess 20-30 Hz per minute. The 12uH circuit
had

tank Qs of around 200-500. Crystals are used in series all the time in crystal IF filters in most superhet radios.

> First, what kinds of swings do you see with just one of the crystals,
> compared with two, in the same circuit?

>From my first post: 9991-10009 KHz with one xtal, 9970-10013 KHz with two
xtals, exact same circuit otherwise.

> Second, anybody look at the output spectrum?

Nope. Good Idea. I'll bring it in on Monday and sweep it.

> Third, I wonder if you are degrading (or improving??) the crystal
> characteristics, and substituting a worse crystal would have the same
> effect.

I can check the "worse crystal" by putting a small value resistor in series
with a single crystal. My guess is that it will stop oscillating.

> Suppose you put the parallel pair of crystals in a crystal tester (like the
> W7ZOI or W1FB characterizers). What would you see?

I'll try that next week, too, if I get enough time for all this!

```
=====
Tom Randolph  N100Q  NE-QRP 419  QRP-L 87  ARRL      randolph@asic.enet.dec.com
=====
```

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: bfollett@ditell.com
Subject: [3450] RE: Little Leos
Message-ID: <199611020339.UAA28392@orion.ditell.com>

Hi Gang:

For those of you tuned in to the "threat on our 2 Meter Band", here is the
latest:

<< Little Leo is getting ready
for a license. The Federal Communications Commission (FCC) this week
issued a Notice of Proposed Rulemaking that takes non-voice, non-
geostationary mobile satellite, or Little LEO systems, one step
closer to licensing.>>

73, Bob...2 more days in Maui

Subject: [3432] RE: Monday Nov 4 FOX
Message-ID: <199611011916.NAA18745@mail.utexas.edu>

Jim.. tnx for letting us know well in advance. Since I get the "digest", sometimes I miss a "last minute" fox notice.

I'll be listening for you!

(this post may appear twice-(mail burp)

Subject: [3308] FOX Monday Nov. 4!
Message-ID: <Pine.sol.3.91.961031124521.499B-100000@shakti>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Group,
I will be having my first turn as fox this Monday evening.

[illegible]

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
voice: (512) 471-1388
bhowell@mail.utexas.edu
N5ALO QRP-L #415

everything is sacred
nothing is serious

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Paul Harden <pharden@aoe.nrao.edu>
Subject: [3404] Re: NE40-40 Questions
Message-ID: <199611011630.JAA08459@zia.aoe.nrao.edu>

Danny,
Your output power measurements seem to be correct.

Another way of ESTIMATING output power is to calculate it from the input power. In your case, 320mA on transmit and 25mA on receive. Subtract the receive current and that leaves 295mA for the transmit circuitry (PA, drivers, TX mixer, etc.).

At 12v, input power = $12\text{v} \times .295\text{A} = 3.5\text{W}$

Most QRP rigs have a transmitter efficiency of 35-40%.

At 37%, output power = input power x efficiency
 $= 3.5\text{W} \times .37 = 1.3\text{W}$

Pretty close to the 1.4W you measured on the scope.

Note that this is not the efficiency of the PA stage, but merely the percentage of output power to input power. Some of the input power is being dissipated by other circuitry in the transmitter, even perhaps a transmit LED. But it is a ball-park method to estimate your output power if you don't have a power meter handy.

GL finishing up your NE 40/40.

Paul NA5N

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: JessQRP@aol.com
Subject: [3449] Re: Nicad packs available
Message-ID: <961101214646_135071322@emout16.mail.aol.com>

Icanz spell onlie on gud daze ;-) Just read my own post, man am I tired!

Jess

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [3431] Re: Norcal Cayton building contest
Message-ID: <199611011913.0AA06688@mh004.infi.net>

Congratulations to Joe and Ori!! I can't wait to build both projects.

To win a contest like this (or even enter, for that matter) requires not only expertise, but a good amount of imagination and creativity. It's easy to say "been there, done that". but you two have demonstrated that there is more than one way to make good soup!

Thanks to you and to Norcal for sponsoring the contest.

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "Ken Freedman" <n1qqv@cshore.com>
Subject: [3437] Re: Ptui!
Message-ID: <199611012135.QAA259490@nss2.CC.Lehigh.EDU>

> I've had it. I'm selling the radios. I'm buying a ranch out in one of
those
> states where the only sport they engage in is trading small arms fire
with
> federal agents. I'm going to raise foxes and turn 'em into coats.
>
> Bah,
> >>>==>PStJTT

Amen Brother, Amen!

I have one Fox for 20+ hours of effort. Only people of unsound mind
do this for a hobby! Now, what do you think the odds are that I can work
New Jersey on the 5th.....

73, Ken

Ken Freedman
AKA: N1QQV/QRP

VE, EC Madison CT

Living Proof That, "You don't have to be a blonde to be light headed!"

Ken Freedman
AKA: N1QQV/QRP

VE, EC Madison CT

Living Proof That, "You don't have to be a blonde to be light headed!"

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Norm.Lee@flinders.edu.au (Norman J. Lee)
Subject: [3377] Re: QRP-L digest 531
Message-ID: <v01540b02ae9f604f87ed@[129.96.234.104]>

Hi gang,
Anyone out there built a mobile 2 meter antenna out of conductive (copper or alumin) window security tape, 19 inches each leg, attach the lug to the coax and away you go?? Does it work? I have a car with no gutter and though this might be a way around the problem. Advice please...

Luke et alia, I built the Drew Diamond amp using IRF510/511. Works like a charm, I get about 20 watts out with +/- 1.5 watts in. This is enough to get me over the noise level for the VK QRP net on Friday nights 8.00pm Central Australian Summer Time. (?? 1030 Zulu. SA is on a half hour time zone). Frequency +/- 3.620Mhz. The amplifier is indestructable, believe me.

Last Cycle, worked my brother Phil, GOMFH in Liverpool UK on a TS 120V at less than 10 watts on 10 meters from my QTH in Adelaide South Australia - a distance of around 22,000 kilometers!). He was running an FT-7! Just like he was in the next room!! Also worked all VK, including VK9 Cocos-Keeling Islands and VK0 Davis Base Antarctica plus a few ZLs thrown in for good measure on 400MW cw! Sure it can be done, no problem.

Norm
VK5GI

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3427] Re: ss Final Note B4
Message-ID: <Pine.SUN.3.90.961101061055.20490B-1000000@vortex.sage.dri.edu>

On Thu, 31 Oct 1996, Bob Hightower wrote:

> This contest will not work for attic
> >antennas and QRP levels. Too much competition.
>
> >SS is again, not for the faint of heart.
> >
>
> Boys (and ladies), check out the psychological warfare tactics used here!

> Nothin' like trying to shake up the opposition.

Hi Bob and all,

Yep, them thair Texicans is trying to intimidate us little pistols!

But we will all be in there trying and who knows.....we just might do some good.....some of the "big boys" just might fall asleep at the key!

Please listen for my punney, weak, poor, in-the-mud, faint signal that will be sliding off of my low, thin, mis-matched, mis-fed, mis-oriented and low key wire antennas!

How will you know it's me??? Easy, I'll be the one with the high serial number! :-)

Remember David and that big guy.....?

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3390] Re: W6RCA Triangular Loop
Message-ID: <Pine.SOL.3.94.961101080007.9999A-100000@utkux4.utcc.utk.edu>

On Thu, 31 Oct 1996, Kevin Bunin wrote:

> Ken, a triangular loop is generally referred to as a Delta Loop antenna.
> There is a good article on it in the Antenna Handbook (ARRL).
Unfortunately, most of what was said taken from the ARRL book will not work out. The W6RCA triangle, which he has presented on this net, is a closed triangular loop, but not a strict delta, since a strict delta should have equal angle going up or down from a horizontal wire. Cecil's antenna was designed to get a good combination of horizontal and vertical radiation to combine in a pattern that fits the long and short skip operations he favors.

A delat loop can use many angles, but the equilateral and right angle designs are most common. The equilateral design can be fed almost

anywhere with about 150 ohms impedance. If fed about 25% up one angular leg, it gives a pattern dominated by vertical polarization (without need for counterpoises or radials, since it is balanced and the horizontal wire plus the 25% up each leg to the feedpoint and its corresponding point across the way constitute a phasing line. The right angle delta goes from the equilateral's 60 degree apex to a 90 degree apex and shows a variable impedance as you move the feedpoint around. However, when fed about 10-15% up one sloping leg, it shows 50 ohms and the pattern is even more vertically polarized than the equilateral--and a wee bit stronger. Both have very low radiation angles and not much high angle radiation, and are favored by those principally interested in DX.

Fed elsewhere around the perimeter, the vertically-mounted deltas show predominately horizontally polarized radiation. The take-off angle increases as horizontally polarized radiation dominates the pattern.

Using the old, relatively inaccurate quad/delta formula ($1005/f$) is not likely to be accurate, but it may be a starting point. The loop dimensions will vary with height (a little), ground clutter (a little to a lot), wire size, and amount and type of wire insulation. Difference may cancel or add, depending on your yard.

Erected horizontally (with all three corners about the same height above ground), the antenna becomes a horizontally polarized 3-cornered loop with a high radiation angle.

See ON4UN's Low Band DXing book (ARRL) and previous discussions by W6RCA and others for further details on the patterns and performance of the various forms of triangular antennas erected in a vertical plane.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Ken Lopez <kjlopez@earthlink.net>
Subject: [3402] Re: W6RCA Triangular Loop
Message-ID: <327A22BD.5411@earthlink.net>

Hi Kevin,

Thanks for the reply.

I guess I should have phrased my question more carefully. I am aware

of the various loops, although I have had no practical experience with them. I was interested in the operational characteristics of this particular one in terms of pattern on the higher frequencies, and whether or not open wire feeders would be preferable to coax, etc.

I am trying to solve the problem of a smaller lot at the new QTH and am assessing the relative merits of the various antennas. Actually I have been looking closely at the vertical loop, and the halfsquare, so the recent post comparing it with the triangular loop and its pattern was most informative.

I was wondering how the triangular loop pattern changed with frequency, as the half square is essentially a one band antenna in this regard.

73,

Ken N6TZV

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Joe Gervais <vole@primenet.com>
Subject: [3396] Re: We're Gonna' FYBO
Message-ID: <199611011514.IAA28914@primenet.com>

Howdy Folks,

Paul (AA4XX) wrote:

>

> On behalf of the Knightlites, please express our appreciation to
> the ScQRPions for putting together the Winter "FYBO" Field Day.

Thanks! Very much our pleasure! But it hasn't been just the ScQRPions - various (and for the moment, anonymous) folks have generously donated prizes for different categories. We'll announce who donated what for which categories soon, probably in January. And of course without QRPers participating, the FYBO wouldn't be much fun at all, so let me turn the tables and say thanks to all of you for your support. Particularly those brave souls who'll be operating in the field. I know I'm going to hear some of the temperatures during the exchange and whince. :-)

> Let's hope we'll see good turnout from the Novices/Tech +
> operators for this one.

Thanks for bringing that up!

[Soapbox On]

If any of you know a Novice/Tech+, please see what you can do to get them on the air for this event. It's around the same time frame as the Novice Roundup, and we'd *really* like to see them involved. At 5 pts apiece, each one of them has a high enough price on their head to generate some mini-pileups for them. And they'll have a whole 12 hours to experience it. Plus, the more N/T's out there, the more points we can all score. :-)

[Soapbox Off]

> By the way, we worked each other during the Fall ARCI Contest on
> 40M. Thanks for pulling me through. Was running only 250 mW to a dipole
> on this end. You got good ears, dude!

I'll be flat-out honest - if it hadn't been for the Fox hunt, pushing my limited skills to the edge nearly every night, I probably wouldn't have been able to pull you out at all. Very glad we got to work each other!

Thanks for the note, and please thank the Knightlites for taking part in our grand little adventure. Good stories for the grandkids, that's what it's all about. :-) "Why, during the FYBO of '97 it was so cold that the RF from our antenna was freezing and falling to the ground all around us. And you should of heard the terrible racket it made during the Spring thaw. Sounded like a pileup on Burma."

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

Less than 4 months to FYBO - Clean off those snow shoes!

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3424] RE: What happens when Cycle 23 kicks in?
Message-ID: <Pine.SUN.3.90.961031162244.19182A-100000@vortex.sage.dri.edu>

Hi all,

You really don't have to wait till Cycle 23 kicks in....

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
LU9AUY was 599+ on 15m today. I worked him with 5w.

(Also snagged the 3W5 on 40m this AM, but had to use 100w) :-(

Check the higher bands.....things are happening up there.

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3438] RE: What happens when Cycle 23 kicks in?
Message-ID: <Pine.SOL.3.94.961101172350.27879C-100000@utkux4.utcc.utk.edu>

On Thu, 31 Oct 1996, Monte Stark wrote:

> LU9AUY was 599+ on 15m today. I worked him with 5w.
Trans-equatorial is no indicator of new cycles--just disturbed conditions
and in Ron's case, disturbed operator--but a happy operator.

E-W and W-E in the same hemisphere: that takes real sunspots!

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [3415] Re: Woking DX on the Fox Freq
Message-ID: <1.5.4.16.19961101114945.0e9f265e@destin.nfds.net>

At 10:06 AM 11/1/96 -0600, Dan Tayloe wrote:

> There needs to be a ruling on this. In my opinion, if rare a DX
> station calls again on the fox frequency, we ought to all tell him to
> get lost. After all, working the fox is much more important [:-)]!

That's what I like about this group.....

D E D I C A T I O N !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

or is it.....

O F F M Y M E D I C A T I O N !!!!!!!!!!!!!!!!!!!!!!!

72/73

--

Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL

Snail Mail P. O. Box 178

Shalimar, FL 32579-0178

Grid EM60rk

e-mail <bmyers@destin.nfds.net>

homepage <http://destin.nfds.net/~bmyers/>

CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE

<http://n9nvv.qrp.com/~fists>

^^^^ That's N 9 N V V

From owner-qrp-l@Lehigh.EDU Fri Nov 1 23:12:05 1996

From: rhigh@primenet.com (Roger Hightower)

Subject: [3423] Re: Woking DX on the Fox Freq

Message-ID: <199611011832.LAA11148@primenet.com>

At 10:06 AM 11/1/96 -0600, Dan Tayloe-P26412 wrote:

>

> Tom's signal from VT was *really* marginal here the entire two hours.
> He was *just* above the noise most of the time here in Phoenix.

>

> I *think* I bagged him at 330 UTC, but was not enirely sure as he
> faded back out after I responed to his report. I gave him "2W"
> instead of NR 696 because I assumed that it would be easier to copy.

>

Dan,

I see you're in his log. Nice work. I could only get pieces of his call sign suffix....very weak and in the qrm. Got VT in the log in the ARCI test, so I guess that will have to do for WAS.

I agree with your comments on DX on the fox freq. Heck, we can get DX anytime, :-)

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3428] Re: [3073] Loop Antenna in Attic
Message-ID: <Pine.SUN.3.90.961030145514.15527C-100000@vortex.sage.dri.edu>

On Wed, 30 Oct 1996, Dan Halbert wrote:

>
> I have taken to wearing my bicycle helmet while working in the attic,
> something I started doing while spending hours putting down new
> insulation. But I still bash my back on some low cross-braces. Maybe I
> need to wear an umpire's vest on my back.
>

Gee Dan,

Don't you have a wife or some kids??? :-)

Opppps, wait folks.....that's a joke....no, not the flames.....

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Nov 1 23:12:05 1996
From: Dan Halbert <halbert@BBN.COM>
Subject: [3398] Re: [3283] HB: Super VX0 again
Message-ID: <199611011517.KAA00638@halite.Diamond>

Re: double crystal VX0's:

Something like 27 years ago, when I was a wee lad, I wrote a letter to ICM asking what would happen if I put two crystals in series or parallel. I had some crazy idea I would get the sum or difference of the frequencies. An engineer replied that one of the crystals would produce a "suck-out" effect on the other, and the circuit would either not oscillate or not oscillate very well.

Obviously, he was a little pessmistic, compared to the current results. So I wonder what is really going on here. First, what kinds of swings do you see with just one of the crystals, compared with two, in the same circuit? Second, anybody look at the output spectrum? Is it messy? Third, I wonder if you are degrading (or improving??) the crystal characteristics, and substituting a worse crystal would have the same effect. Suppose you put the parallel pair of crystals in a crystal tester (like the W7Z0I or W1FB characterizers). What would you see?

I wish I had time to answer these questions.

Dan Halbert, KB1RT